MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1930

J. A. BROWN, DIRECTOR

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DECEMBER 1930
METEOROLOGICAL REGISTER

Date	Barometer reduced to °oC Sea level and 45° Latitude 700 mm +..				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	64.4	63.3	63.3	63.7	18.3	13.2	17.0	18.2	15.2	16.8
2	5.0	3.8	4.1	4.3	18.5	13.4	16.7	18.1	15.4	16.7
3	5.5	3.0	6.1	4.9	19.6	13.8	17.6	19.5	15.5	17.5
4	7.4	5.9	6.3	6.5	20.2	12.1	18.7	19.8	16.6	18.4
5	6.8	6.3	5.8	6.3	21.1	15.9	17.3	20.6	17.8	18.6
6	66.5	65.4	66.1	66.0	20.7	15.3	18.8	20.3	18.8	19.3
7	6.7	5.4	4.5	5.5	22.1	17.4	20.6	20.5	20.7	20.6
8	4.4	2.7	2.4	3.2	21.6	18.9	19.6	20.5	17.7	19.3
9	1.0	59.1	58.7	59.6	17.7	14.4	15.1	14.2	14.7	14.7
10	58.4	8.7	9.5	58.9	17.0	13.8	15.3	15.5	15.0	15.3
11	60.5	60.5	59.8	60.3	18.3	13.4	16.4	18.1	17.7	17.4
12	0.2	59.3	9.5	59.7	18.4	13.9	14.2	17.2	16.3	15.9
13	59.1	8.5	60.2	9.3	22.8	14.0	20.6	21.8	18.0	20.1
14	60.4	9.0	59.8	9.7	20.8	15.4	17.4	20.1	15.6	17.7
15	3.9	65.0	66.2	65.0	17.6	11.3	15.9	17.2	15.3	16.1
16	67.7	66.3	66.6	66.9	18.6	13.5	14.9	17.7	15.5	16.0
17	5.5	4.8	6.2	5.5	20.2	14.6	17.1	19.1	17.8	18.0
18	7.2	6.4	6.4	6.7	19.8	15.6	18.1	19.4	16.7	18.1
19	6.8	7.0	5.6	6.5	19.3	15.0	17.4	18.5	17.5	17.8
20	5.7	4.9	4.4	5.0	19.3	14.4	15.9	18.4	16.6	17.0
21	64.5	63.6	63.2	63.8	19.1	14.6	17.6	18.7	18.3	18.2
22	1.5	0.3	0.4	0.7	19.8	13.6	19.3	19.1	16.6	18.3
23	1.9	1.4	1.8	1.7	18.8	13.7	17.6	18.3	16.6	17.5
24	1.9	1.4	1.6	1.6	19.4	11.4	17.6	19.3	16.7	17.9
25	0.5	0.1	0.6	0.4	22.4	16.1	19.1	20.2	17.1	18.8
26	63.1	62.9	64.1	63.4	18.0	15.1	16.1	17.8	15.7	16.5
27	5.3	4.6	3.9	4.6	18.4	14.9	15.8	18.2	15.6	16.5
28	2.4	0.2	59.9	0.8	19.6	15.0	17.0	19.2	18.4	18.5
29	57.0	53.8	2.9	53.6	21.1	19.4	19.1	21.1	17.1	19.1
30	1.9	3.9	6.1	4.0	17.1	12.9	12.9	13.4	15.6	14.0
31	60.7	60.3	60.6	60.5	17.1	12.1	15.5	15.7	16.2	15.8
	63.25	62.18	62.47	62.53	19.48	14.42	17.17	18.57	16.72	17.49

Barometer, Range for month 751 9-767.7 m.m.
„ 50-yr. average for month 763.285 m.m.
Thermometer, Range for month 11°.3-22°.8
, 50-yr. average for month 15.90 C.
Rain, total for month 187.58 m.m.
„ , 50-yr average for month 190.75 m.m.
„ , total. Sept. 1st to end of month 324.69 m.m.
„ , 50-yr average, Sept. 1st to end of month. 385.83 m.m

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METEOROLOGICAL REGISTER

Wet Bulb Cent.			Elasticity of Vapor m. m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
8.30	14.30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
12.7	13.7	12.2	8.6	9.1	8.5	8.7	60	58	70	63	9.5	
12.7	14.5	12.6	8.7	10.5	9.2	9.5	62	65	71	66	9.5	
13.3	15.6	13.8	8.9	10.8	10.7	10.1	61	64	82	69	9.0	
15.2	16.6	14.1	10.7	11.9	10.4	11.0	67	69	74	70	8.0	
12.7	17.3	12.8	8.4	12.4	8.3	9.7	58	69	55	61	3.8	
13.4	16.7	13.3	8.5	11.7	8.4	9.5	52	68	53	58	9.4	
17.0	17.3	14.6	12.0	12.4	8.9	11.1	66	69	50	62	1.3	
14.9	17.5	15.8	10.0	12.8	11.5	11.4	59	71	79	70	0.0	
13.9	13.8	12.8	11.0	11.5	9.9	10.8	87	95	80	87	0.0	13.63
14.2	14.6	14.0	11.3	11.7	11.2	11.4	87	90	89	89	0.8	25.40
14.0	15.5	12.8	10.4	11.4	8.4	10.1	75	75	54	68	8.2	10.72
10.7	14.3	12.7	7.7	10.3	8.9	9.0	64	71	66	67	0.0	5.13
15.1	16.3	17.3	9.6	10.5	14.1	11.4	54	54	93	64	0.0	0.76
16.6	17.6	14.4	13.5	13.2	11.5	12.7	91	76	87	85	6.5	14.88
14.4	14.6	12.7	11.2	10.7	9.7	10.5	83	73	73	76	8.2	29.66
11.6	11.1	11.9	8.4	6.7	8.5	7.9	66	45	65	59	6.0	
13.6	15.8	15.3	9.6	11.2	11.3	10.7	67	68	74	70	0.2	
14.4	17.1	15.3	10.1	12.8	11.9	11.6	65	77	84	75	8.0	
15.1	16.6	15.6	11.2	12.8	11.8	11.9	76	81	79	79	8.2	
12.7	16.1	14.3	9.2	12.0	10.7	10.6	69	77	77	74	7.2	
15.0	16.1	16.1	11.0	12.0	12.1	11.7	73	74	78	75	8.0	
16.8	15.7	14.4	12.6	11.1	10.9	11.5	76	68	78	74	6.2	
14.7	15.3	15.1	10.6	11.0	11.7	11.1	71	71	84	75	8.0	
13.8	16.5	15.3	9.5	12.1	12.0	11.2	63	73	86	74	0.0	
15.9	16.5	15.7	11.5	11.6	12.4	11.8	71	66	86	74	0.0	3.66
14.6	16.1	14.3	11.4	12.4	11.2	11.7	84	82	84	83	0.8	8.31
13.4	14.9	14.2	10.0	10.7	11.1	10.3	75	69	84	76	1.0	
14.3	15.3	15.9	10.5	10.5	11.9	11.0	73	64	76	71	2.4	
17.5	16.2	16.8	13.7	10.7	14.0	12.8	84	57	96	79	6.0	
12.6	12.9	14.7	10.7	10.7	11.8	11.1	97	93	90	93	0.0	29.46
14.9	15.4	15.4	12.3	12.8	12.6	12.6	94	97	92	94	1.0	45.97
14.25	14.95	14.40	10.41	11.35	10.82	10.85	72.0	71.9	77.0	73.5	4.42	6.05

ight of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
y and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
n of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ne of readings minus 2 hours equals G. C. T.
year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1cu	1stcu	0	0.7	0	0	2se	240.6	calm	
2	1cu	1cu	0	0.7	0	0	1se	232.5	„	
3	1cu	1cu	1cu	1.0	0	0	1se	265.0	„	br. lunar halo
4	1cicu	3ci	5ci	3.0	0	0	0	94.3	light	„ „ „
5	8cicu	7cicu	6cicu	7.0	0	0	0	38.9	„	
6	0	0	0	0.0	0	0	0	24.1	„	
7	8st	9stcu	10stcu	9.0	0	0	1n	156.1	mod.	trace of rain
8	10stcu	8stcu	10ni	9.3	0	1ne	0	220.5	light	
9	10ni	10ni	10ni	10.0	0	0	2sw	355.8	„	
10	10ni	10ni	10ni	10.0	2sw	0	2sw	447 4	mod.	
11	4ni	1stcu	1cu	2.0	0	1sw	1se	417.1	light	
12	10ni	10stcu	10stcu	10.0	0	1sw	2se	548.8	„	
13	10stcu	10ni	10ni	10.0	1sw	1sw	3sw	658.2	mod.	
14	2stcu	3ni	4stcu	3.0	0	3sw	2s	604.2	„	
15	3ni	1stcu	3stcu	2.3	0	1w	1sw	303.4	light	
16	8ci	8stcu	3stcu	6.3	0	0	0	203.5	„	
17	10stcu	10stcu	2stcu	7.3	0	1n	0	106.1	„	
18	2stcu	2ci	0	1.3	0	0	0	84.3	„	
19	0	1ci	0	0.3	0	0	1s	143.1	„	
20	7ci	0	0	2.3	0	0	1w	89.1	„	
21	0	1ci	0	0.3	0	0	0	67.8	„	
22	7stcu	7stcu	4stcu	6.0	0	1ne	1s	83.1	„	
23	0	1ci	0	0.3	0	0	0	167.9	mod.	
24	1cu	2cu	10ni	4.3	0	2se	0	87.9	light	
25	10cu	10cu	10cu	10.0	0	4sw	3s	737.1	„	
26	10cu	10cu	2cu	7.3	0	0	1s	504.2	„	
27	8cicu	10stcu	8stcu	8.7	0	1ne	0	121.0	„	
28	10stcu	10stcu	10ni	10.0	0	0	2s	54.9	calm	
29	5cicu	6stcu	10ni	7.0	0	0	1sw	218.3	light	trace of rain
30	10ni	10nt	10ni	10.0	0	0	2s	544.2	mod.	
31	6stcu	8stcu	10ni	8.0	0	0	3s	681.5	light	
				5.40				274.22		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	0	0	0	2	0	0	29
14:30	1	3	0	1	0	5	1	0	20
20.30	1	0	0	5	8	5	1	0	11
Totals	2	3	0	6	8	12	2	0	60

Number of days with rain 11, fog 0, thunderstorms 0, gales 0

50-yr average number of days with rain during month 13.4